



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

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TC 1700

In re Application of : PATENT APPLICATION
CLETUS N. WELCH et al. :

Serial No. 09/755,147 : Group Art Unit: 1711

Filed: January 8, 2001 : Examiner: MELANIE D. BISSETT

For: PHOTOCROMIC POLYURETHANE :
COATING AND ARTICLES HAVING :
SUCH A COATING :

Docket No: 1582A1/RCE

REPLY FILED IN CONJUNCTION WITH RCE UNDER 37 CFR 1.114

Hon. Commissioner of Patents and Trademarks
Washington, D.C. 20231

Sir:

This reply is being filed in conjunction with a Request for Continued Prosecution under 37 CFR 1.114. The following amendment and remarks are respectfully submitted for consideration by the Examiner in charge of the above-captioned application.

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to:

Hon. Commissioner of Patents and Trademarks
Washington, DC 20231

5/27/03
(Date)

Norma J. Golling
(Signature)
Norma J. Golling

Typed or printed name of person signing certificate

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AMENDMENTS

In the application for which continued examination has been requested, Claim 1 has been amended as follows:

1. (Amended) An article comprising, in combination, a substrate, and a photochromic polyurethane coating on at least one surface of said substrate, said coating having a Fischer microhardness of from 50 to 150 Newtons per mm², wherein the improvement comprises preparing said photochromic polyurethane coating from components comprising:

- (a) polycarbonate polyol(s) comprising less than 10 mole percent of cycloaliphatic diol, said polycarbonate polyol having a molecular weight of from 500 to 5,000 grams per mole;
- (b) optionally, a different organic polyol having a molecular weight of at least 500 grams per mole;
- (c) an isocyanate;
- (d) photochromic compound(s); and
- (e) optional catalyst;

said components being used in such proportions to produce a photochromic polyurethane coating exhibiting less than 25% swell in the Percent Swelling Test.